

May, 2006

# EST 2000 SOP

30 May 2006

## Engagement Skills Trainer 2000

### Standard Operating Procedures (SOP)

1. PURPOSE: Prescribe procedure and responsibilities for the utilization of the EST training facilities at Fort Gordon. The objective of the EST training facilities are to provide the means of training and evaluating the performance of individual small arms, crew served and individual anti-tank training. The EST trainer provides institutional and unit training using small and large caliber weapons. Each facility is an indoor, multipurpose, multi-lane design. The system is comprised of multiple independent subsystems that can be networked and configured in three operational modes which are marksmanship, collective squad level engagements, and shoot-don't shoot training. Scenario's which are used to simulate practical targets which are characteristic of standard Army course ranges.

#### 2. GENERAL:

- a. The EST facilities are located at the following locations; EST 2000 Two ten lane systems, bldg. 81100 12<sup>th</sup> Ave. Ft. Gordon Ga. 30905. EST 2000 Five lane sub-system 93<sup>rd</sup> Signal Brigade motor pool. EST 2000 Five lane sub-system at the 73<sup>rd</sup> Ordnance Battalion, Room 236 Hazen Hall.
- b. The EST 2000 is a five lane subsystem or ten lane system which consists if an Instructor/Operator Station (IOS). The system uses demilitarized manufactured weapons current in U.S. Army inventory. There are approximately 400 scenarios ranging from marksmanship, judgmental engagements and collective training that are available for units.

#### 3. SCOPE:

The provision of this SOP applies to all Fort Gordon units to include TRADOC, FORSCOM, INSCOM, MEDCOM, CID, The Joint Staff (GRSOC), Reserve Components (RC), National Guard (NG) and Law Enforcement Agencies that utilize the EST Facilities.

#### 4. SCHEDULING:

The EST Operations Center is located in training area 16 bldg. 81100, 12<sup>th</sup> Street, Ft. Gordon Ga. 30905. The normal operating hours are Monday thru Friday 0800 to 1600 hours. (See responsibility for other than normal operating hours).). All requests are scheduled by your S-3 utilizing RFMSS unit customer account.

- a) Units are required to provide the following information; exact unit to include company, person submitting request, phone number, type of training, type of weapons, duration of training. Units will provide a list of all personnel and the last four of their SSN for the systems data base two weeks prior to range. Units may not schedule more than 20 firers per rotation at one facility. Number of firers does not include coaches. (see 6c)
- b) There will be no block or blanket scheduling for the EST facilities. Units are encouraged to use maximum utilization during scheduled training time.
- c) Units will verify training 2 weeks prior on RFMSS through their S-3, simulation calendars, all cancellations must be 24 hours prior to training. Cancellations will be made on the RFMSS. The Unit scheduled for training will also contact the EST 2000 facility at 791-4663/4687 or 791-4195 and inform the staff of cancellation. Units can change which squad/platoon or company conducts training for their unit as long as item 4a above is conducted.

#### 5. OBJECTIVES:

- a. To provide a means of training and evaluating the performance of individual and squad members marksmanship to include simulated combat environments.
- b. To test, evaluate and diagnose weaknesses in training areas in weapon operation and engagements. Advise unit NCOIC or Master Gunner on recommendations for corrective actions.
- c. Each individual/crew is required to meet the appropriate Field Manual or USASC&FG Regulation 210-21, FM 22-9 and AR 5-9.

#### 6. TRAINING:

- a. EST provides the most comprehensive means of training and evaluating individual/crew/squad proficiency. Both the weapon operations and decision making elements of the engagement process can be accurately assessed against targets that could be encountered in actual combat.
- b. Primary goal for the instructor is the operation and maintainability of the EST Training Device and individual weapons.

- c. Units will provide 1 EST 2000 instructor for the 5 lane systems and 2 EST 2000 instructors for the 10 lane systems. Units are required to provide coaches for firers: 1 coach for 5 lanes, 3 coaches for 10 lanes. Training will be stopped until this requirement is met. If the standard is not met within 1 hour, training will be cancelled and the soldiers will be sent back to the unit and rescheduled by their unit S-3.
- d. Civilian Instructors observes training, make recommendations to improve training directly to the unit Master Gunner or the Non-commissioned Officer (NCOIC). EST 2000 instructors have the authority to remove anyone from the training facility because their conduct or action is interfering with training.
- e. Facilities may be used to provide units with sustainment training, range safety, and as a training tool for supervisors to conduct evaluation of individual marksmanship skills. EST training device will not be used as a replacement for actual live fire requirement or qualifications.
- f. Units NCOIC will conduct concurrent training when not training with the EST Training device. Concurrent training must coincide with marksmanship or unit SOP and be conducted at designated break areas.
- g. EST 2000 training will be conducted 2<sup>nd</sup> Thursday and Friday on the first month of each quarter. The scheduled dates for training will be posted on the RFMSS

## 7. RESPONSIBILITIES:

### a. EST 2000 Facility

- (1) Provide logistical support and overall supervision for the EST Facilities
- (2) Maintain property accountability
- (3) Management and daily operations
- (4) Maintenance is supported by Pulau contractor
- (5) Update regulations
- (6) Update software to training devices as applicable

### b. Separate Brigades, Reserve Components and National Guard units:

- 1) Responsible for providing a training plan.
- 2) Provide all necessary materials including reference materials for training.

- 3) Coordinate and schedule through Coordinator Reserve Component Support (CRCS). Advanced coordination will be accomplished through RFMSS prior to scheduling to ensure the availability of required equipment.
- 4) Ensure that the following standards are maintained throughout training: uniform, attendance, accountability, training outlines for all training conducted, safety and proper military courtesy.

## 8. USING UNITS:

- (1) Request for training at the EST facilities will be scheduled through the RFMSS, 15 days prior to range use, no more than 3 months out. Blanket scheduling is not authorized.
- (2) Reserve Components units will request training through Mr. Taylor, Training Division (DPTMS) 706-791-1552 or DSN 708-1552, who will then submit the request training through the Range Facility Management Scheduling System (RFMSS). Units will verify all training request by phone to the EST Training Facility at DSN 780-4663/4687, (706) 791-4663/4687 or TASC (706) 791-4195.  
( See section 4 for more details on scheduling.)
- (3) OIC/NCOIC is responsible for contacting Range Control to inform them when the range is active and how many soldiers are using the range.
- (4) Using unit is responsible to bring M-3 Tripods and mounts, T&E mechanism, pintles and MK-64
- (5) In the event that cancellations or changes to scheduled training become necessary, notify the EST Manager immediately at 791-4663/4687, TASC 791-4195.
- (6) Using unit is responsible for the clean up of the facilities used. This will include interior and exterior areas of the facility. Units will not be released from training until staff personnel with the unit NCOIC conduct inspection of the facility.
- (7) It is the unit's responsibility to coordinate all training with the EST Manager prior to schedule training.
- (8) Units that require additional training time will submit a request and schedule through the RFMSS.
- (8) There will be no drinking or eating inside the EST Facilities. Approved break areas are designated.

## 9. SECURITY:

- a. Security will be provided during non-training hours by the EST 2000 Staff personnel/DOD Police.
- b. Instructor will ensure all weapons and their facility is secured at the end of the training day.
- c. All discrepancies will be reported to the Facility Manager for appropriate action.

10. WEAPONS AVAILABLE IN THE EST 2000 FACILITIES:

LIGHT WEAPONS 10 LANE SYSTEM AT THE MAIN FACILITY INCLUDES:

10	M4 Carbine
6	M9 Pistol
10	M16A2 Rifle
2	M203/M4 Rifle/Grenade Launcher
2	M203/M16 Rifle/Grenade Launcher
2	M136 (AT4) Rocket Launcher
2	M240B Machine Gun
2	M249 (SAW) Machine Gun
2	M1200 Shotgun
2	M136 (AT4) Rocket Launcher

HEAVY WEAPONS 10 LANE SYSTEM AT THE MAIN FACILITY INCLUDES:

2	M2 Machine Gun
6	M4 Carbine
2	M9 Pistol
6	M16A2 Rifle
2	MK19 Grenade Machine Gun
2	M203/M4 Rifle/Grenade Launcher
2	M203/M16 Rifle/Grenade Launcher
2	M240B Machine Gun
2	M249 (SAW) Machine Gun
2	M1200 Shotgun
3	M136 (AT4) Rocket Launcher

LIGHT WEAPON 5 LANE SYSTEM AT THE 93<sup>RD</sup> BRIGADE MOTOR POOL

5	M4 Carbine
3	M9 Pistol
5	M16A2 Rifle
2	M203/M4 Rifle/Grenade Launcher
1	M203/M16 Rifle/Grenade Launcher
2	M136 (AT4) Rocket Launcher
1	M240B Machine Gun
2	M249 (SAW) Machine Gun
1	M1200 Shotgun
2	M136 (AT4) Rocket Launcher

## LIGHT WEAPONS 5 LANE SYSTEM AT THE 73<sup>RD</sup> SIGNAL BATTALION, HAZEN HALL 2<sup>ND</sup> FLOOR

5	M4 Carbine
3	M9 Pistol
5	M16A2 Rifle
2	M203/M4 Rifle/Grenade Launcher
1	M203/M16 Rifle/Grenade Launcher
2	M136 (AT4) Rocket Launcher
1	M240B Machine Gun
2	M249 (SAW) Machine Gun
1	M1200 Shotgun
2	M136 (AT4) Rocket Launcher

## APPENDIX

A- REFERENCES

B- SITE REPRESENTATIVE DUTIES

C- EMERGENCY EVACUATION PLAN

D- SAFETY

E- CLEAN UP

F- FIELD SUPPORT REPRESENTATIVE (FSR) RESPONSIBILITIES

DAVID E. COCHRANE  
[dcochrane@USfalcon.com](mailto:dcochrane@USfalcon.com)  
THOMAS H. JONES  
[tjones@USfalcon.com](mailto:tjones@USfalcon.com)  
791-4663/4687 or TASC 791-4195  
EST Facilities Managers  
EST 2000 Range Facility, DPTMS

## APPENDIX A, REFERENCE MATERIAL TO ENGAGEMENT SKILL TRAINER

TD-07-6910-702-10 Technical Manual Engagement Skills Trainer 2000

TM 11-5855-214-10 AN/TVS-5 Night Vision Sight

TM 5855-01-045-5482 M-2 Mounting Bracket

TM 11-5855-213-10 AN/PVS-4 Night Vision Sight

FM 3-22.9 IAW Basic Rifle Marksmanship

FM 21-11 First Aid for Soldiers

## APPENDIX B, SITE REPRESENTATIVE DUTIES

1. The EST Instructors are responsible for the operation of the EST subsystem and additional components to include safety and maintenance to their facility. The following duties apply during normal duty day.

2. The EST Site Representative will operate the training facility Monday thru Friday, from 0800-1600 hours, excluding holidays and weekends unless otherwise coordinated.

- a) Prepare the facility and simulator for training 30 minutes prior to scheduled training.
- b) Complete daily inventory of all assigned equipment, weapons and report shortcomings immediately.
- c) Be professional at all times, maintain your emotions and be honest.
- d) Instructors will have a respectable appearance.
- e) All Equal Opportunity (EO) guidelines and policies are enforced against sexual discrimination and harassment with in this organization.
- f) Be fundamentally sound in communication. Be respectful and use proper courtesy.
- g) Maintain control of your facility and report all safety matters immediately to the EST Manager.
- h) Conduct daily, weekly and monthly maintenance checks of assigned equipment IAW TD 07-6910-702-10.
- i) Do not engage in personal conversation referring to non-training matters, or renew old relationships during official duty time.
- j) Reference materials will be present at all times.
- k) Ensure the interior and exterior of the facility is clean and presentable at all times.
- l) Conduct After Action Report (AAR) at the completion of training.
- m) Always remember we service our customers, they are priority.
- n) Conduct VIP briefings as required.
- o) Prepare and complete monthly usage report for assigned training site. Ensure daily usage report is sent to EST Operations Center.
- p) At the end of the duty day all weapons are accounted for and ensure facility is secured. The facility will be locked during lunch.
- q) No instructor will give classes to the units; direct all training matters to the unit NCOIC.
- r) Only certified EST 2000 Instructors are authorized to hook up weapons.

## APPENDIX C, EMERGENCY EVACUATION PLAN-EST

1. Upon notification, the following procedures will apply in the event of natural disaster and or civil unrest.
  - a. HQ, USASC&FG Severe Weather Emergency Action Plan (SWEAP) b. AR 385-10
2. Notify all essential personnel, initiate close down procedures. All personnel are required to submit family evacuation plan to the EST Facility Manager with clear contact information. (I.E phone number)
3. Perform 100% accountability of all assigned equipment, update hand receipts.
4. Conduct inventory of EST Operations Center.
5. Perform power down procedures for all EST Facilities IAW TD-07-6910-702-10
6. Ensure all electrical power is turned off to include circuit breakers.
7. Stow Air Compressors at the aft end of each facility.
8. Ensure all weapons are secured.
9. All files, computers and software necessary for normal operations are placed in the EST facility. Remove and store necessary computer hard drives (if applicable).
10. Receive final close down report from all EST Facilities.
11. Complete status of personnel.
12. Secure EST facilities all keys are turned into EST Operations Center Bldg 81100.
13. Report when completed to the EST 2000 Staff personnel.

## APPENDIX D, SAFETY

1. While training at the EST facilities the following safety guidelines are to be maintained.
  - a) Required hearing protection device will be worn while operating the EST
  - b) system. Unit is responsible to provide hearing protection for soldiers.
  - c) No running with weapons.
  - d) Corrective eye wear will be worn to include inserts for assigned NBC mask.
  - e) Do not look into laser transmitting devices. Keep weapons pointed at the
  - f) screen.
  - g) No horseplay
  - h) Take all commands from the Instructor/Operator.
  - i) No ammunition on site.
  - j) Unit SOP applies. The NCOIC is responsibility for unit personnel.
  - k) All electronic devices will be turned off while training at the EST facilities.
  - l) EST Instructors/Operators are required annual hearing test. Employees will provide a copy of this result to the EST Facilities Manager.
  - m) Any job related injuries must be reported immediately.
  - n) No sleeping on the range. It is pertinent that all soldiers stay awake and alert to help maintain a safe environment on the EST 2000 range.
  - o) No lifting of heavy equipment that exceeds 50 pounds per person which could result in injury. Components exceeding individual capacity will require additional assistance from mechanical or personnel to perform the task.
  - p) All instructors conducting classes must conduct a Safety briefing in which not limited to laser, facility platforms, electrical hazard and training operations with restrictive lighting.

## APPENDIX E, EST FACILITY CLEAN UP

1. At the completion of training, the using unit will ensure the following is completed. As a guideline units are to clean only the areas used. If the facility is shared by another unit, coordination must be made between unit NCOIC's. Unit will not be released until the standards are met.
  - a. Wipe down tables
  - b. Remove all trash
  - c. Sweep and clean the latrine and classroom
  - d. Mop the floors
  - e. Organize all furniture neatly
  - f. Police of trash both interior and exterior of the facility to include break areas.
  - g. Vacuum Carpet
  - h. Replace weapons on sandbags.
2. Responsible for all shipping, receiving, tracking and packing all EST components and weapons for depot repair.